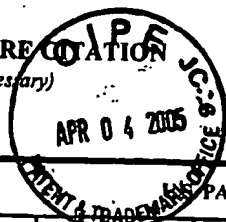


INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



Docket Number (Optional)

Lee113

Application Number

09/878,131

Applicant(s)

Hong et al.

Filing Date

June 8, 2001

Group Art Unit

1637

PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
SPE	A	WO 94/23055	10-13-94	PCT international appl.				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

SPE	B	European Search Report issued Jan. 7, 2005, in corresponding European application 02758704.7 (applicant: Shanghai Mendel DNA Center Co., Ltd.) (3 pages) (listing all references cited in this PTO-1449 form)
SPE	C	Iakobashvili and Lapidot, "Low temperature cycled PCR protocol for Klenow fragment of DNA polymerase I in the presence of proline", Nucleic Acids Research, 1999, Vol. 27, No.6, pages 1566-1568 (1999).

EXAMINER

Bretha Chendur

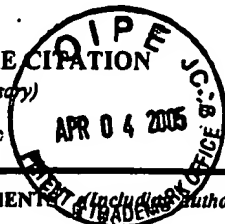
DATE CONSIDERED

4/29/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Docket Number (Optional)

Lee113

Application Number

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Applicant(s)

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1637

*EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Mead et al., "Bst DNA Polymerase Permits Rapid Sequence Analysis from Nanogram Amounts of Template", Research Report, Biotechniques, Vol. 11, No.1, July 1991, pages 76-82.

SPC

C

EXAMINER

Prabha Chenduru

DATE CONSIDERED

4/29/05

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

Atty.
Dkt. No.

Applicant: HONG et al.

Appl. No.: 09/878,131

Filing Date: 6-8-01

Examiner: Unknown

Patent Ref.

AUG 30 2001

Date: 8-29-01

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of

5

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Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
SPC	AR 5,747,298	05/1998	HONG et al.	435	6	
SPC	BR 5,614,365	03/1997	TABOR et al.	435	6	
	CR					
	DR					
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FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

SPC	WR	Joyce, et al., "Function and Structure Relationships in DNA Polymerases", Annu. Rev. Biochem. 1994, Vol. 63, Pages 777-822.			
	XR	Mead et al., "Bst DNA Polymerase Permits Rapid Sequence Analysis from Nanogram Amounts of Template", Research Report, BioTechniques, Vol. 11, No. 1 (1991), pp. 76-84			
	YR	McClary, et al., "Sequencing with the large fragment ... stearothermophilus", DNA Sequence-J. DNA Sequencing and Mapping, Vol. 1, (1991) pp. 173-180			
	ABR	Epicentre Technologies, "What's New in this Catalog?" DNA Polymerase (. . . fragment), 1994/95 Products for Molecular & Cellular Biology, p.1.			
	ACR	Jacobs et al., "The N-Terminal Amino-Acid Sequences of DNA Polymerase I from Escherichia coli and of the Large and the Small Fragments Obtained by a Limited Proteolysis", Eur. J. Biochem. 45 (1974), pp. 623-627			
	ADR	John Wiley & Sons, Inc., Current Protocols in Molecular Biology, DNA Sequencing, Vol. 1, 1994, pp. 7.4.31-7.4.33			

Inventor

Bubba Chandra

Date Considered:

10/10/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP '609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE STATEMENT

Atty.
Dkt. No.

Applicant: HONG, et al.

Appln. No.: 09/878,131

Filing Date: 6-18-01

Examiner: Unknown

Group: Unknown

Date: 8-29-01

Page 2 of 5

U.S. PATENT DOCUMENTS

Inventor's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
	AR					
	BR					
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FOREIGN PATENT DOCUMENTS

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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

882	VR	Sanger et al., "DNA sequencing with chain-terminating inhibitors", Biochemistry: Proc. Natl. Acad. Sci. USA 74, No. 12, (1977), pp. 5463-5467				
	WR	Shengyu et al., "Heat-stable DNA Polymerase I Large Fragment Resolves Hairpin Structure in DNA Sequencing, Scientia Sinica (Series B), Vol. XXX, No. 5, May 1987, pp. 503-506				
	XR	Okazaki et al., "Enzymatic Synthesis of Deoxyribonucleic Acid", The Journal of Biological Chemistry, Vol. 239, No. 1, Jan. 1964, pp. 259-268				
	ABR	Kaboev, et al., "Purification and Properties of Deoxyribonucleic Acid Polymerase from Bacillus stearothermophilus", Journal of Bacteriology, Vol. 145, No. 1, Jan. 1981, pp. 21-26				
	ACR	Catalogue of Bacteria and Phages, American Type Culture Collection, Eighteenth edition, 1992, p.51				
	ADR	Riggs et al., "Construction of single amino acid substitution mutants of cloned Bacillus stearothermophilus DNA polymerase I which lacks 5'-3' exonuclease activity", Biochimica et Biophysica Acta 1307 (1996), pp. 178-186				

Examiner: R. S. Chesnut

Date Considered: 10/10/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP '609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

To: U.S. Department of Commerce
Patent and Trademark OfficeAtty.
Dkt. No.

INFORMATION DISCLOSURE STATEMENT

Applicant: HONG, et al.

Appln. No.: 09/828,131

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Examiner: Unknown

Group No. Unit:

AUG 30 2001

Date: 8-29-01

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U.S. PATENT DOCUMENTS

Inventor's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
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OTHER (Including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

WR	Aliotta et al., "Thermostable Bst DNA polymerase I lacks a 3'-5' proofreading exonuclease activity", Genetic Analysis Biomolecular Engineering, 12 (1996), pp. 185-195				
XR	John Wiley & Sons, Inc., Current Protocols In Molecular Biology, DNA Sequencing, Vol. 1, (1994), 7.4.17-7.4.24.				
YR	Earley, et al., "Robotic Automation of Dideoxyribonucleotide Sequencing Reactions" Research Reports, BioTechniques, Vol. 17, No. 1 (1994) 156-165.				
ABR	Mardis et al., "Automated Methods for Single-Stranded DNA Isolation and Dideoxynucleotide DNA Sequencing Reactions on a Robotic Workstation", Research Report, BioTechniques, Vol. 7, No. 8 (1989) pp. 840-850.				
ACR	BIO RAD, US Bulletin 1649, Pre-mixed Nucleotide Sequencing Kits for Bst DNA Polymerase, 1996, p.176-178				
ADR	Carroll et al., "A Mutant of DNA Polymerase I (Klenau Fragment) with Reduced Fidelity", Biochemistry, Vol. 30, No. 3, 1991, pp. 804-813.				

Inventor

Babsha Chunduru

Date Considered:

6/10/03

To: U.S. Department of Commerce
Patent and Trademark OfficeAtty.
Dkt. No.

INFORMATION DISCLOSURE STATEMENT

Applicant: HONG, al.

Appln. No.: 09/878131

Filing Date: 6-8-01

Examiner: Unknown

Group A: 10/1/01

Date: 8-29-01

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U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
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FOREIGN PATENT DOCUMENTS

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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

WR	BIO RAD, U.S. Bulletin 1771, Fluorescent-labeled DNA Sequencing Reactions Using Bst Polymerase 1996, pp. 1-4					
XR	PROMEGA TECHNICAL BULLETIN, "SEQUENCE OF pGEM3z(+) VECTOR", Revised 2/95, pp. 5-6					
YR	Chisoe, "Strategies for Rapid and Accurate DNA Sequencing", Methods: A Companion to Methods in Enzymology, Vol. 3, No. 1, (August, 1991) pp. 55-65.					
ABR	Kunkel, "Rapid and Efficient Site-Specific Mutagenesis without Phenotypic selection" Methods in Enzym., Vol. 154 (1987), pp. 367-383.					
ACR						
✓ ADR						

Examiner: Brian Chennell

Date Considered:

10/10/03

AMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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